

Fig. 1

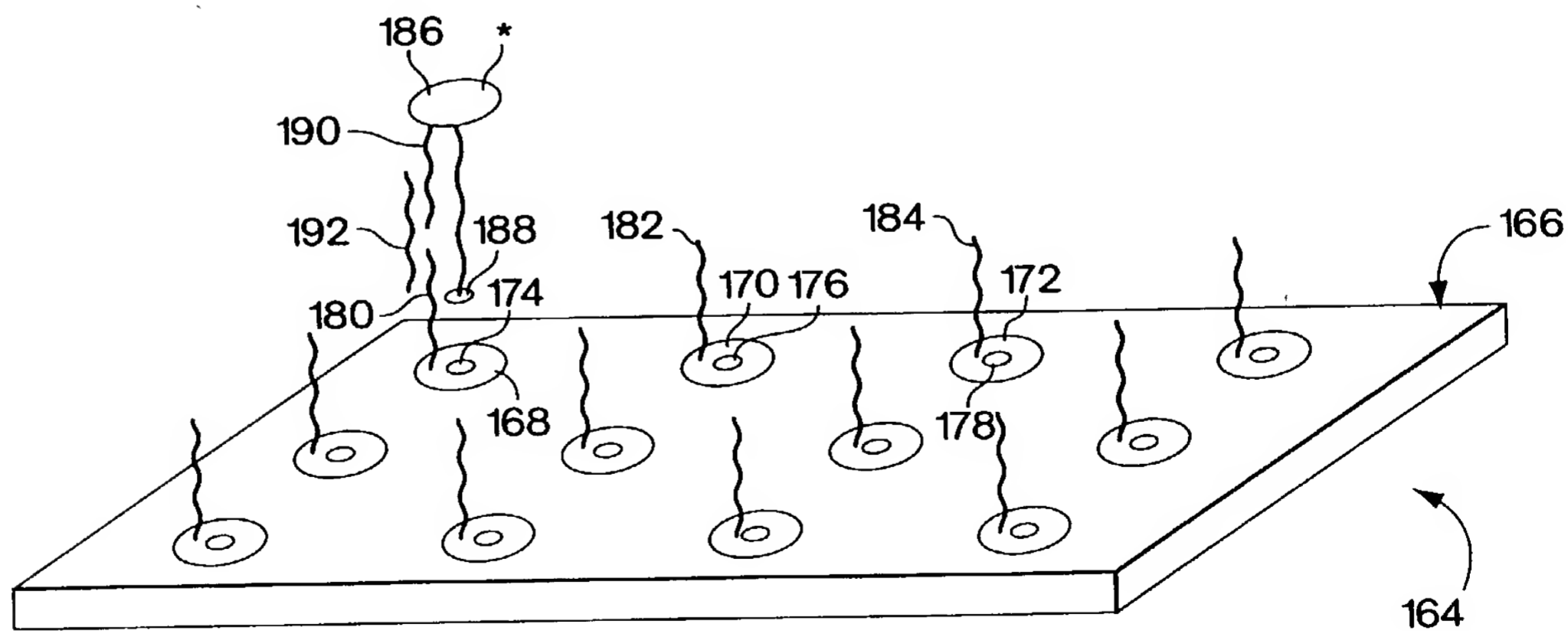


Fig. 2

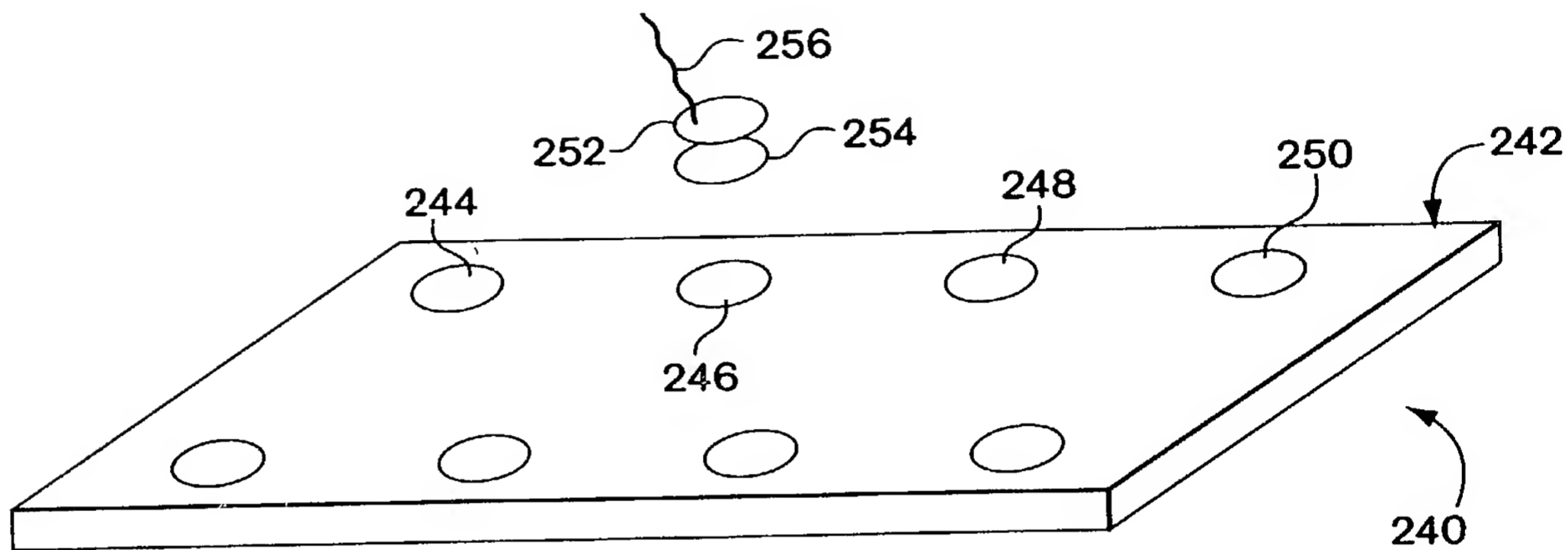


Fig. 3

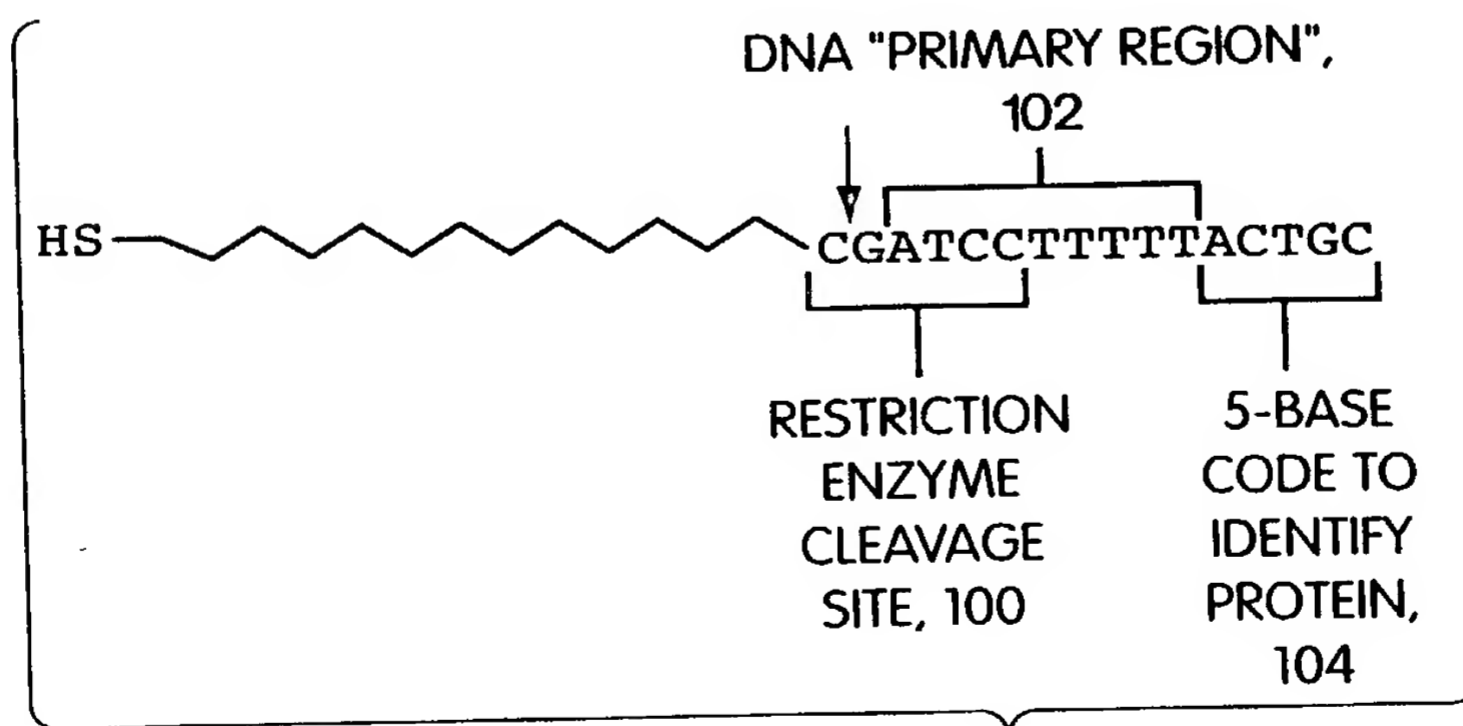
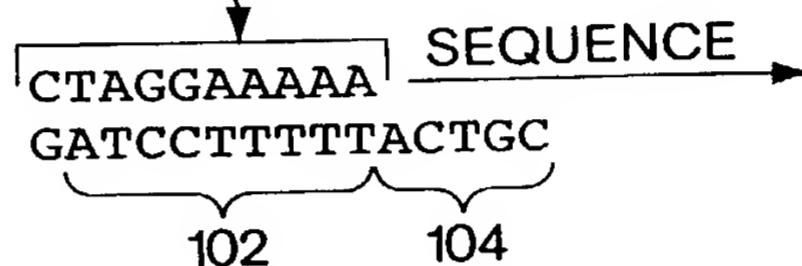


Fig. 4

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FOLD COMPLEMENTARY DNA TO "DNA PRIMING REGION" +  
SEQUENCE USING STANDARD PCR METHODS:

COMPLEMENTARY OLIGO, 122



MATCH UP RESULTING SEQUENCE DATA WITH  
RECORDS KEPT THAT CONNECT PROTEIN  
IDENTIFY TO SEQUENCE:

ACTGC = PROTEIN # 120  
(SPECIES)  
104

Fig. 5

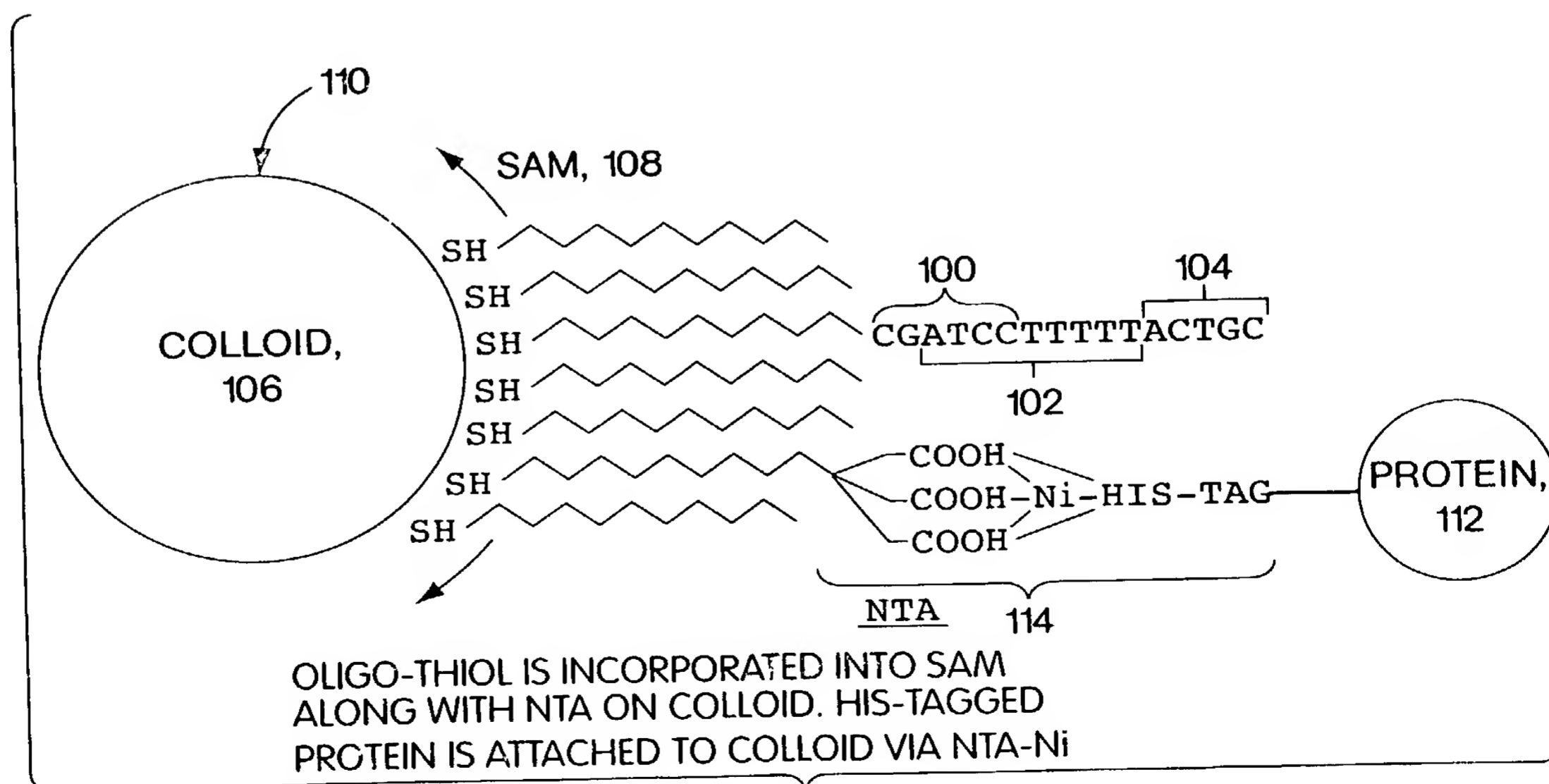


Fig. 6

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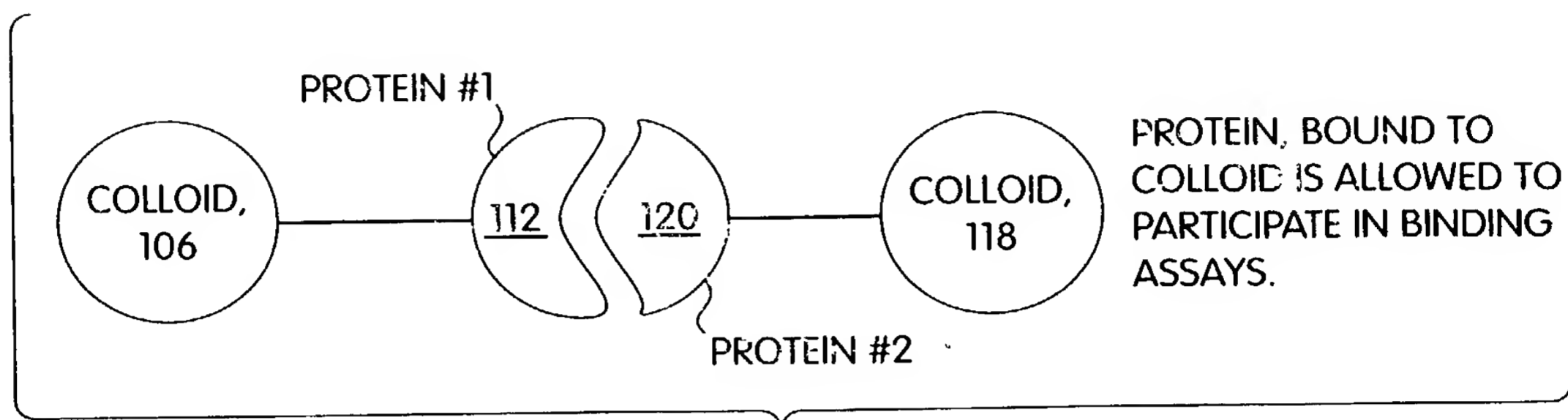


Fig. 7

TO UNCOVER THE IDENTITY OF PROTEIN AFTER THE ASSAYS ARE COMPLETED, CLEAVE THE DNA PORTION OF THE DNA-THIOL BY ADDITION OF A RESTRICTION ENZYME:

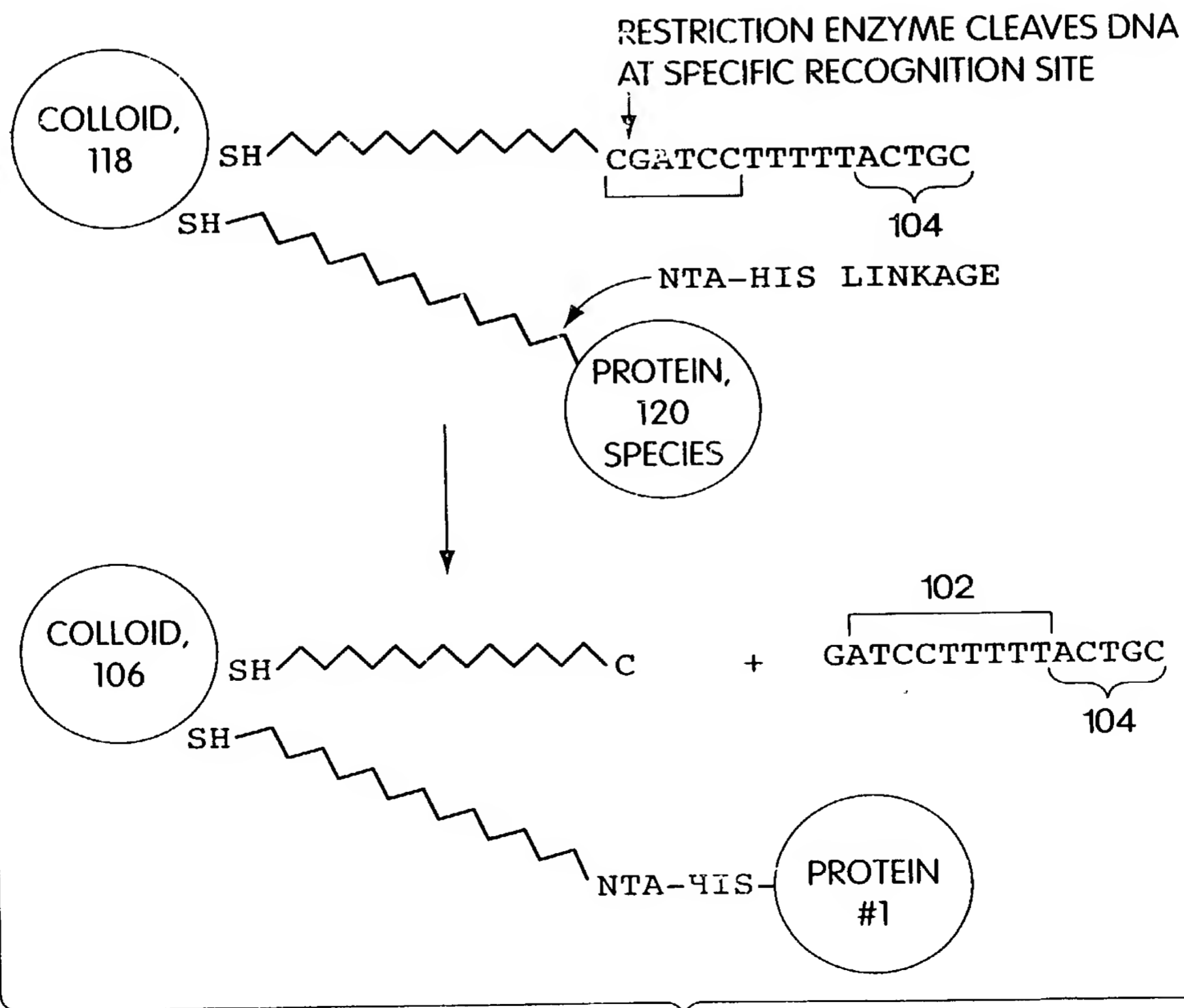


Fig. 8

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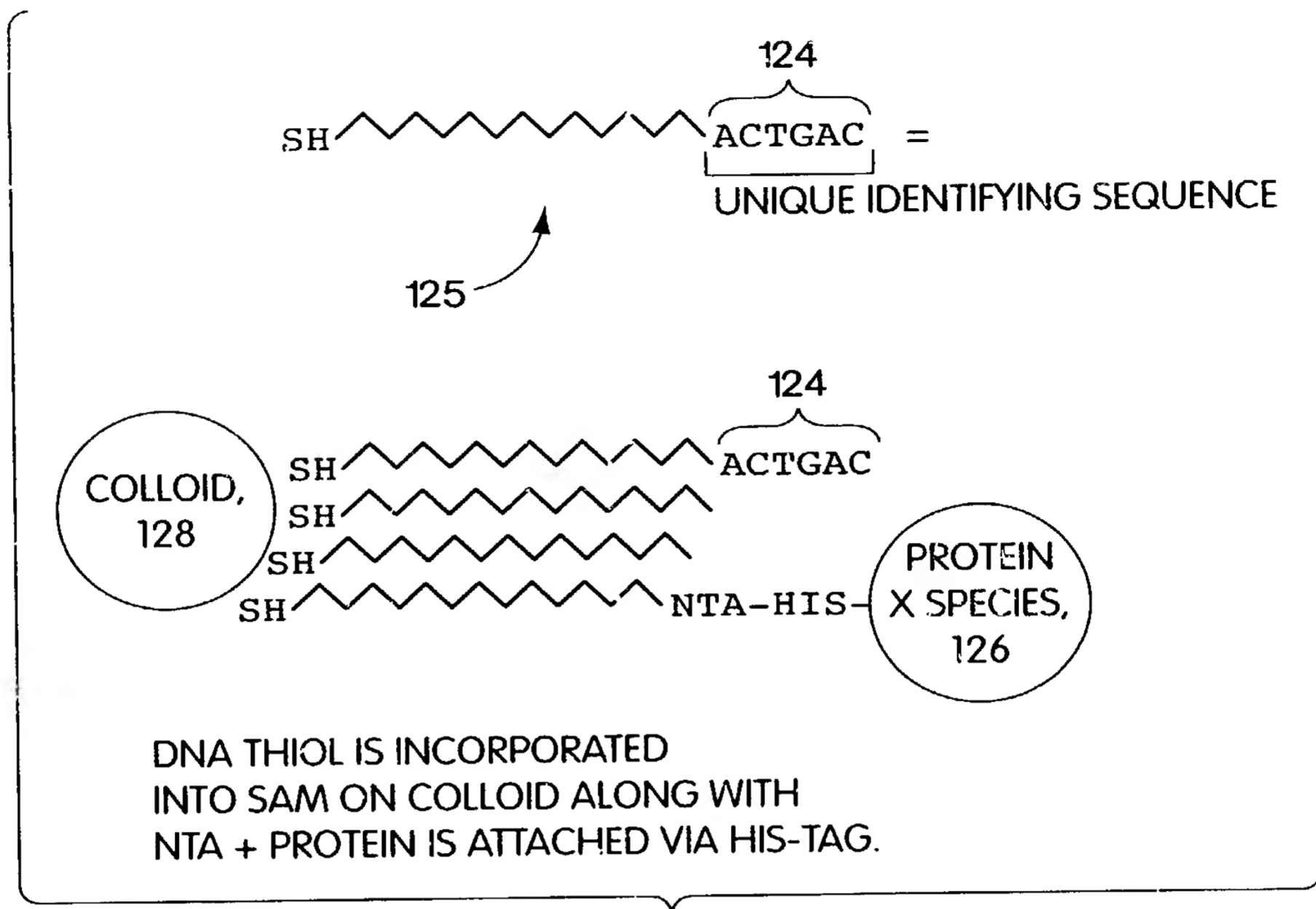


Fig. 9

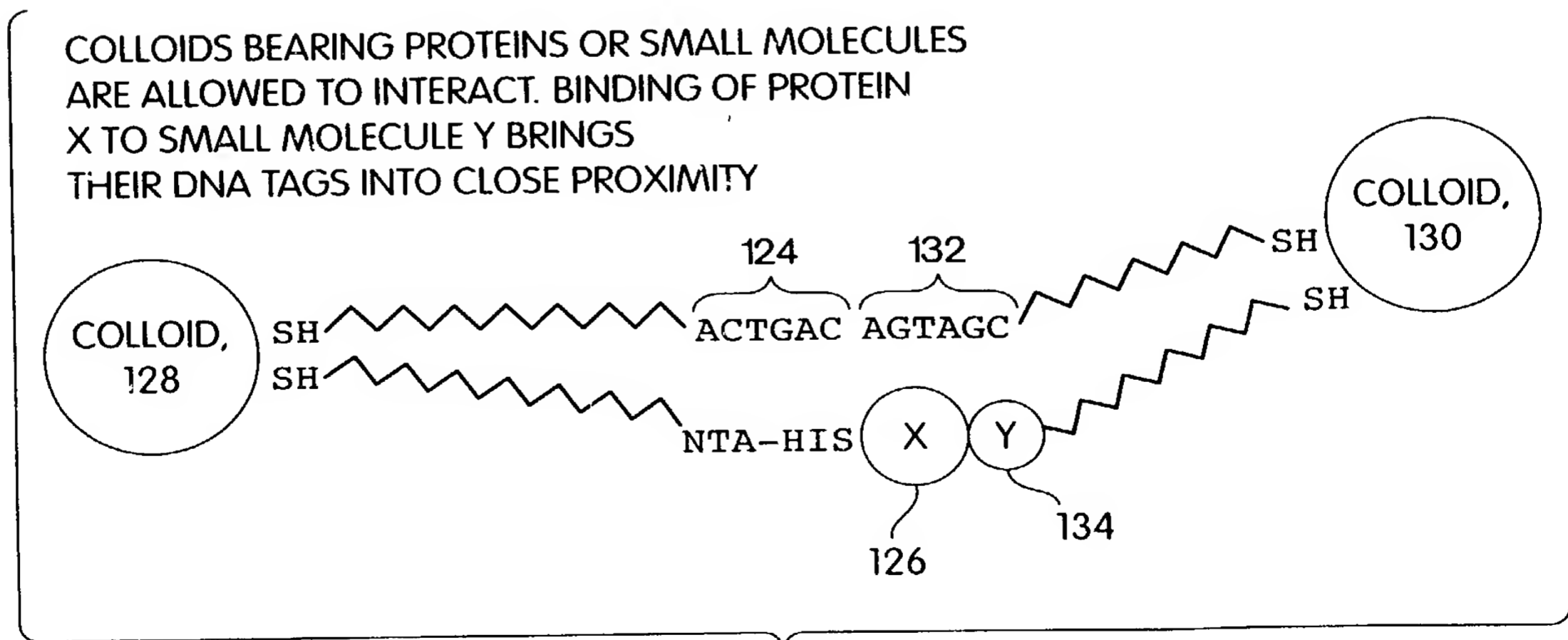


Fig. 10

COMPLEMENTARY SEQUENCES TO OLIGO IDENTIFIER DNA  
ARE ADDED + ALLOWED TO BIND.

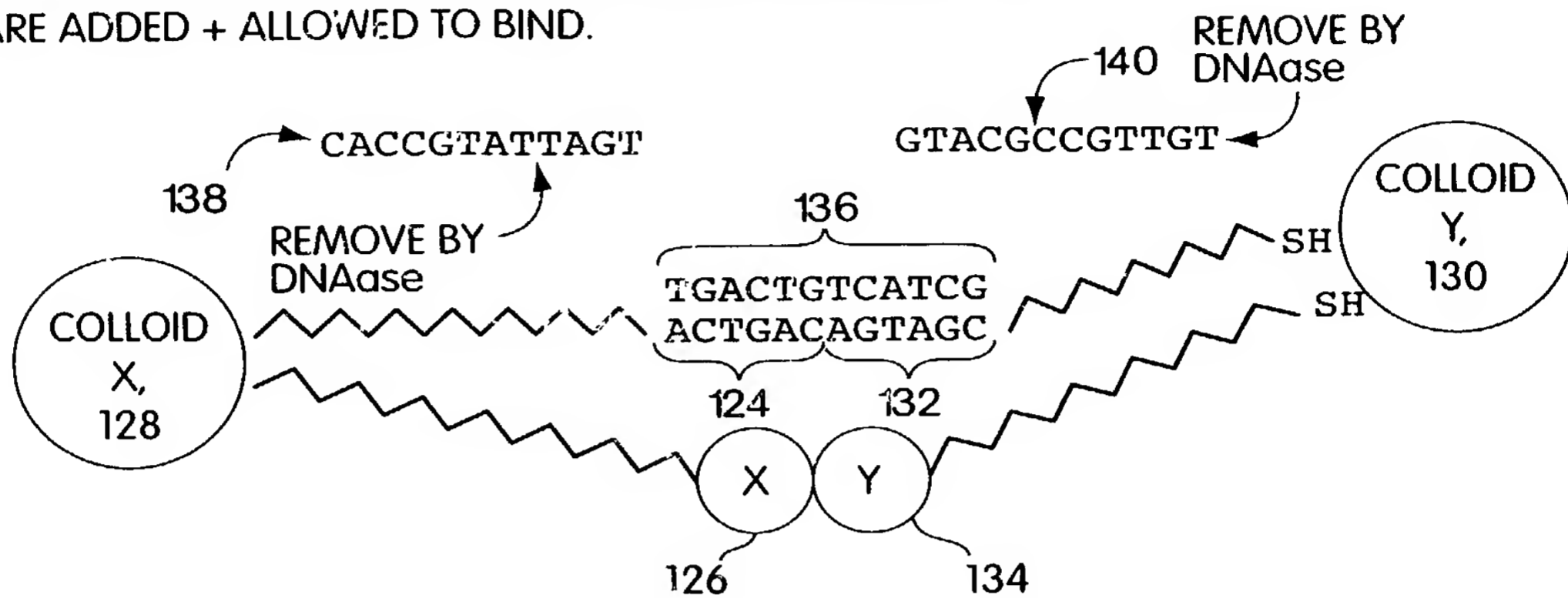
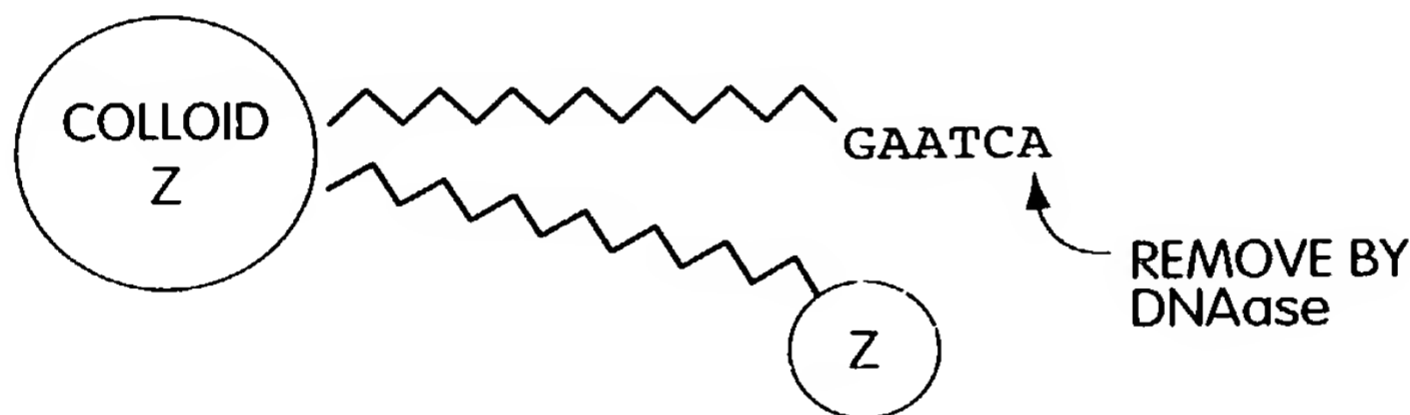


Fig. 11



SINGLE-STRANDED DNAase IS ADDED TO REMOVE (OR  
"CHEW UP") ANY NON-HYBRIDIZED DNA.

Fig. 12

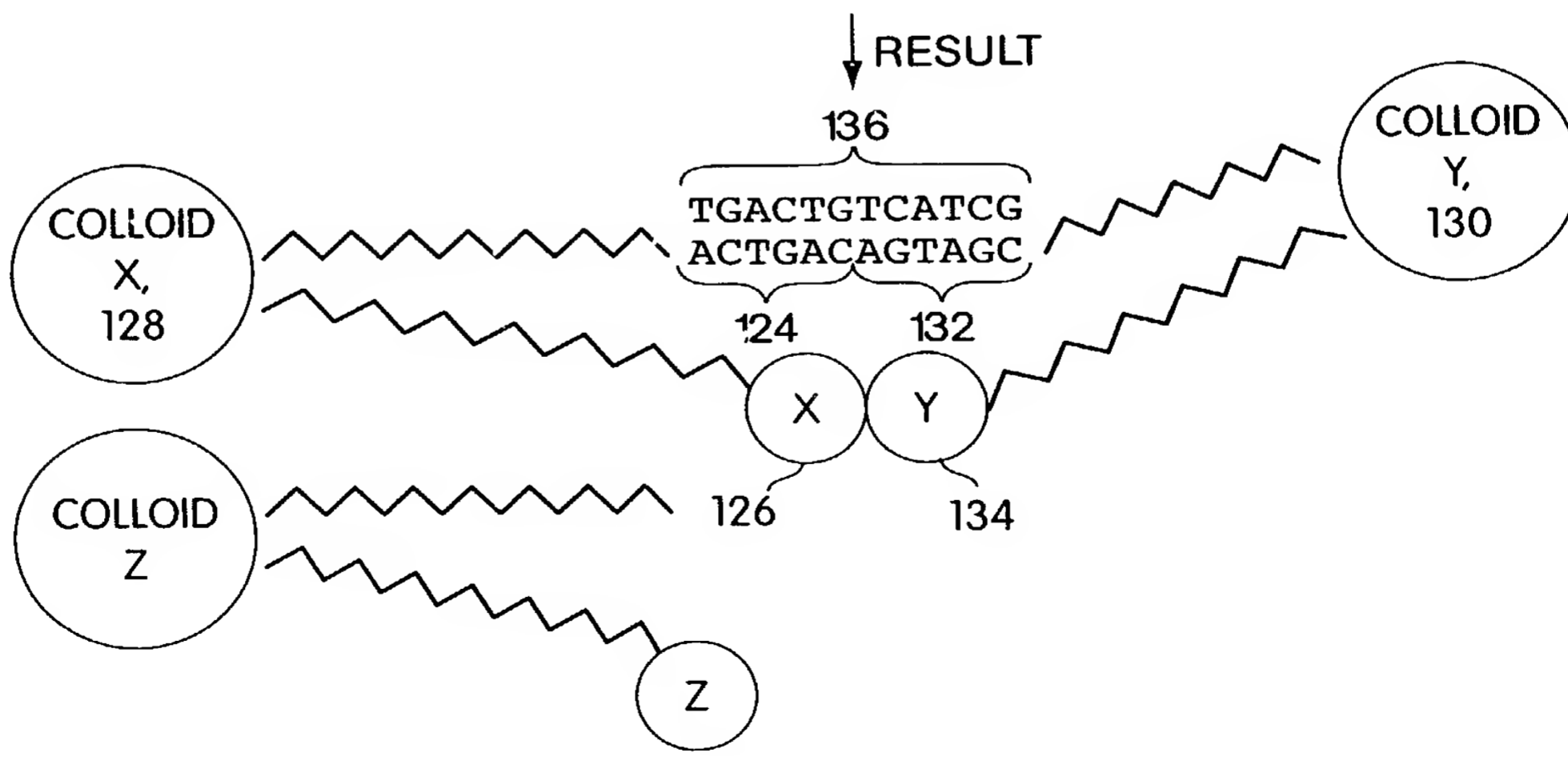


Fig. 13

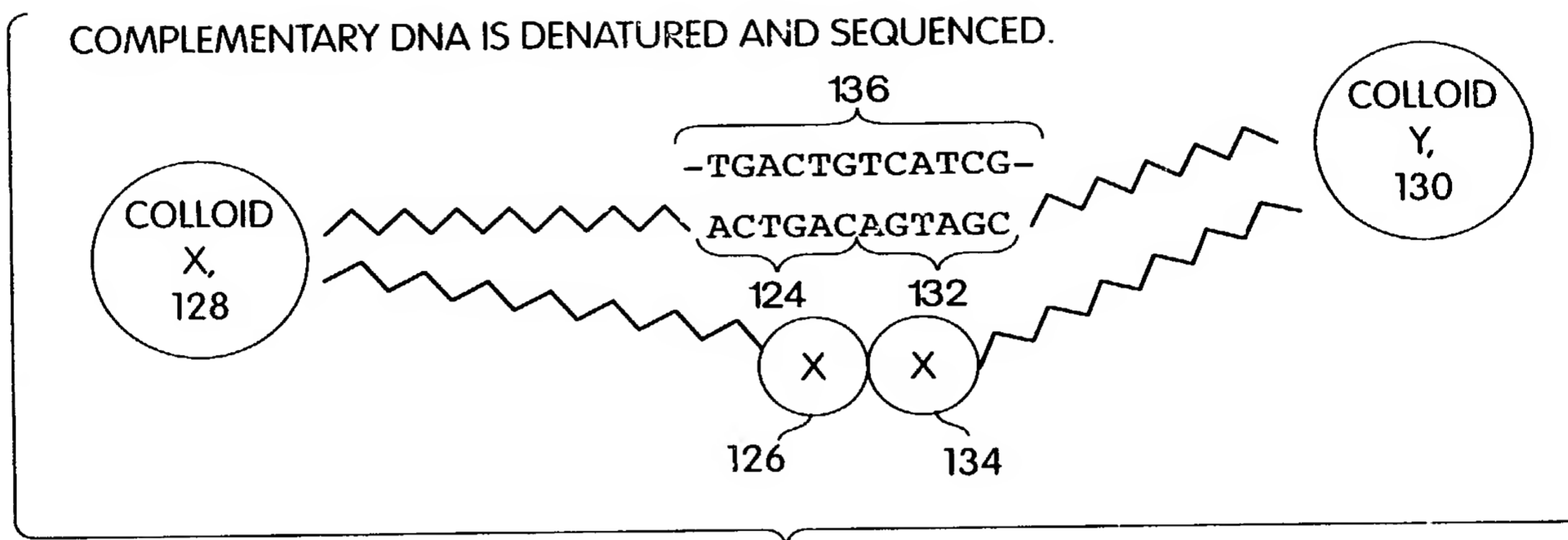
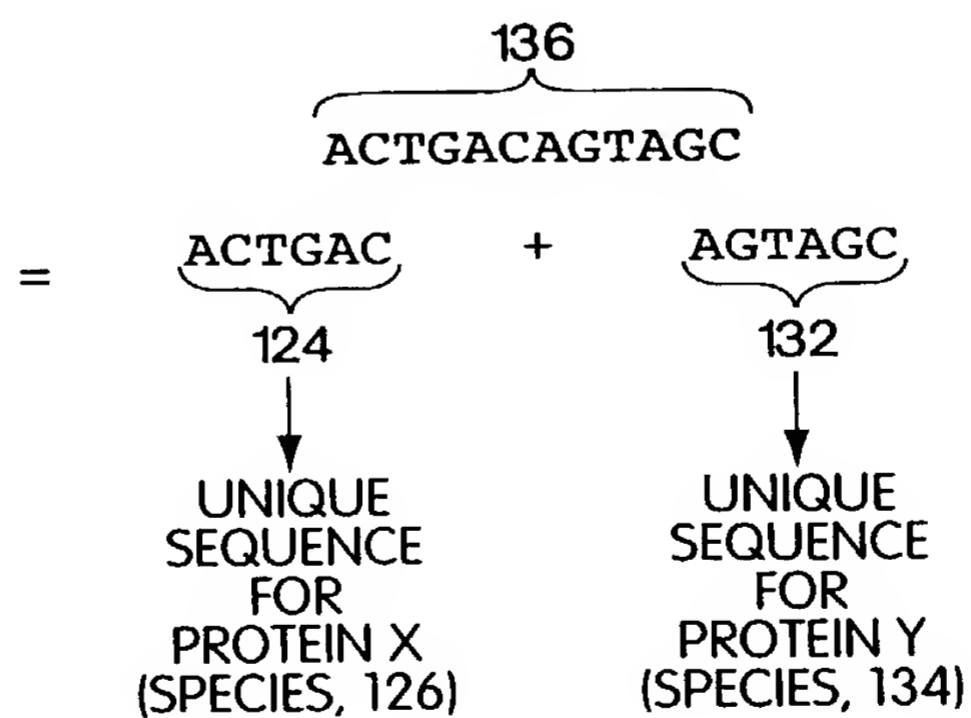


Fig. 14

RESULTING SEQUENCE CONTAINS THE  
UNIQUE DNA CODES OF THE TWO BINDING  
PARTNERS, X + Y:



PROTEIN X + PROTEIN Y MUST BE BINDING PARTNERS.

Fig. 15

U.S. Pat. & Trad. Off. 004,275  
Title: OLIGOMER PEPTIDE  
IDENTIFIERS  
By: Bandaru et al

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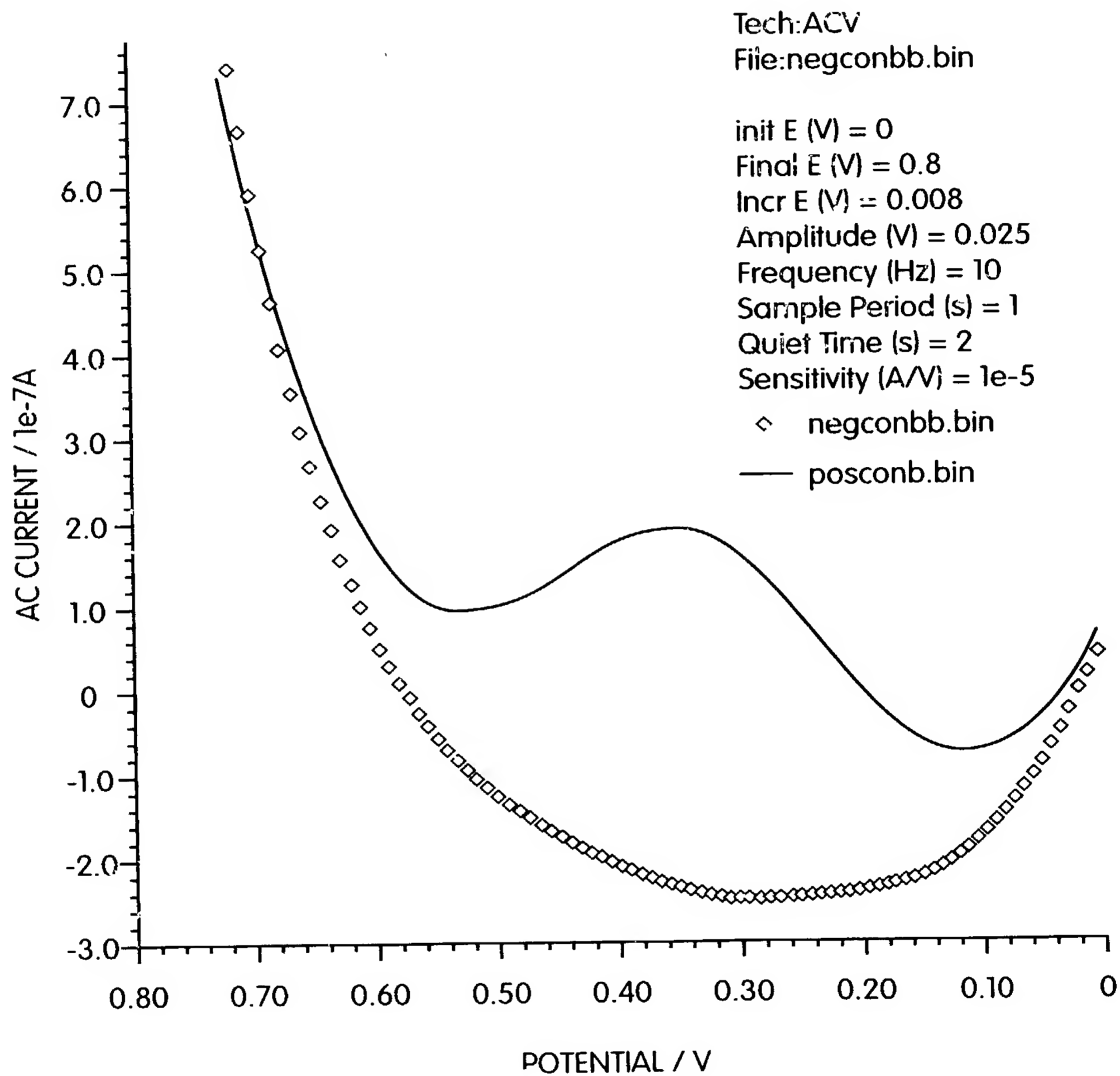


Fig. 16

U.S. Pat. App. Ser. No. 004,275

Title: OLIGONUCLEOTIDE

IDENTIFIERS

By: Bandaru et al.

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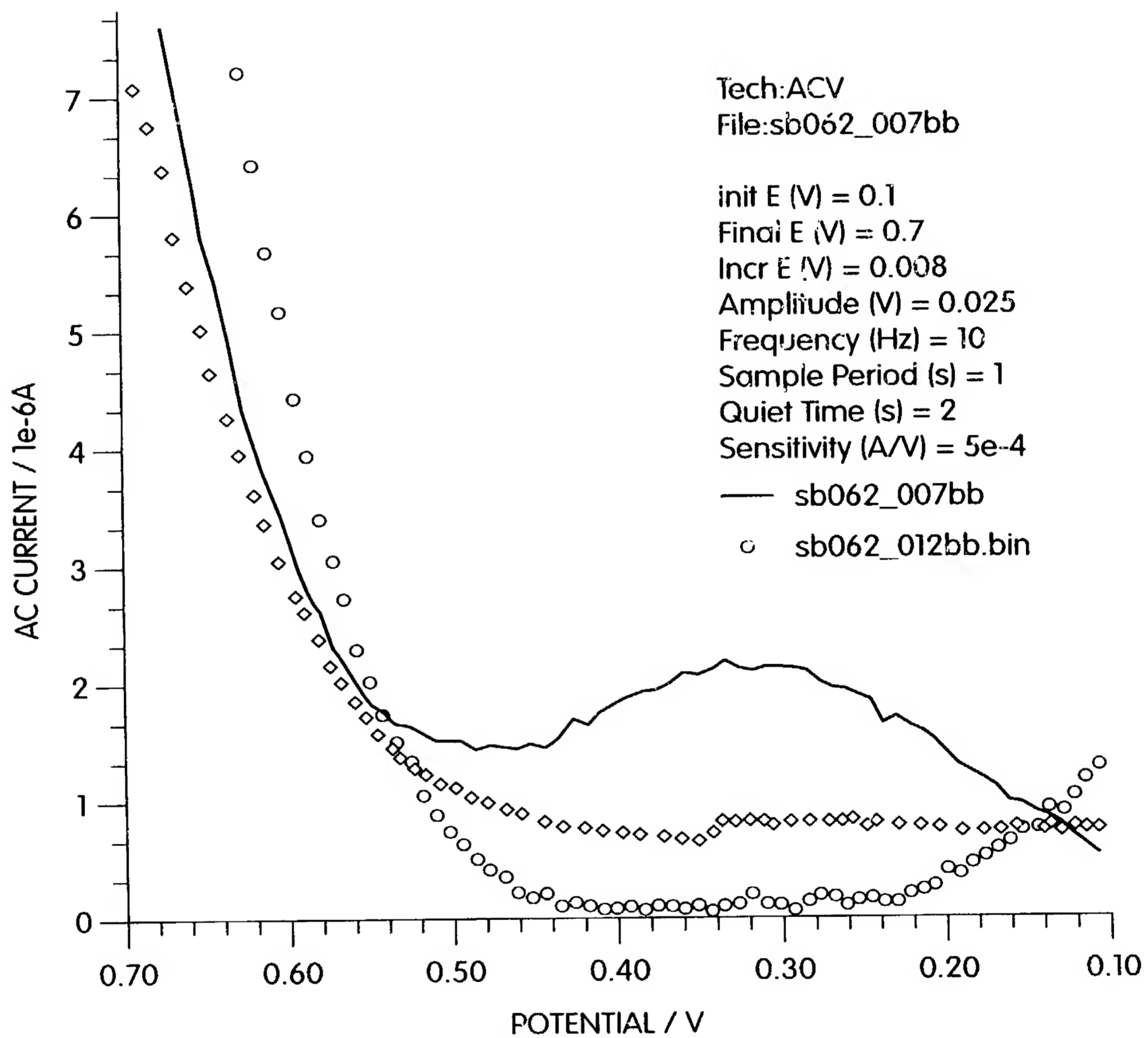


Fig. 17

U.S. Pat. Appl. Ser. No. 10/004,275

Title: OLIGO-LEOTIDE

IDENTIFIERS

By: Bamdad et al

10/11

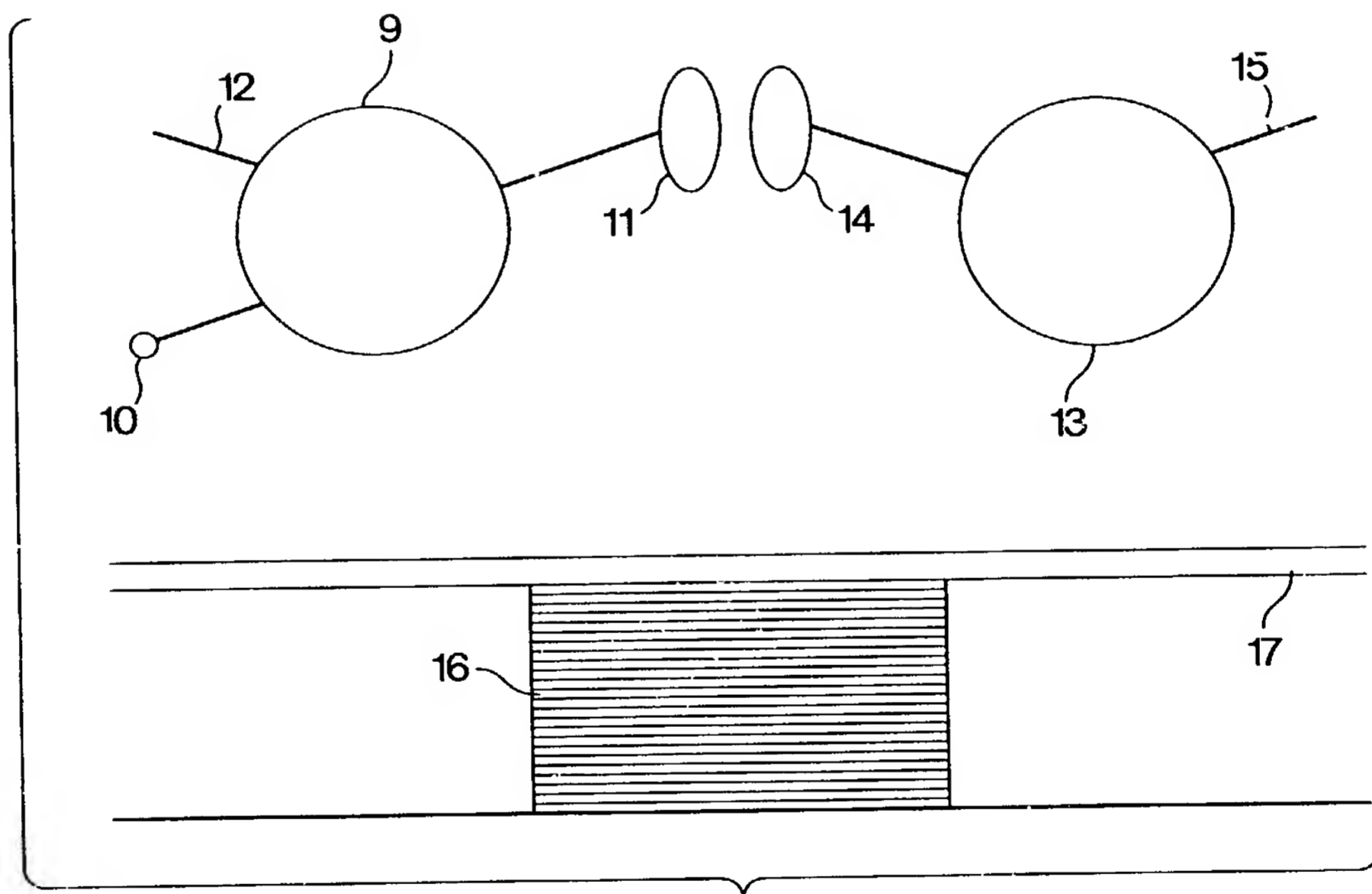


Fig. 18

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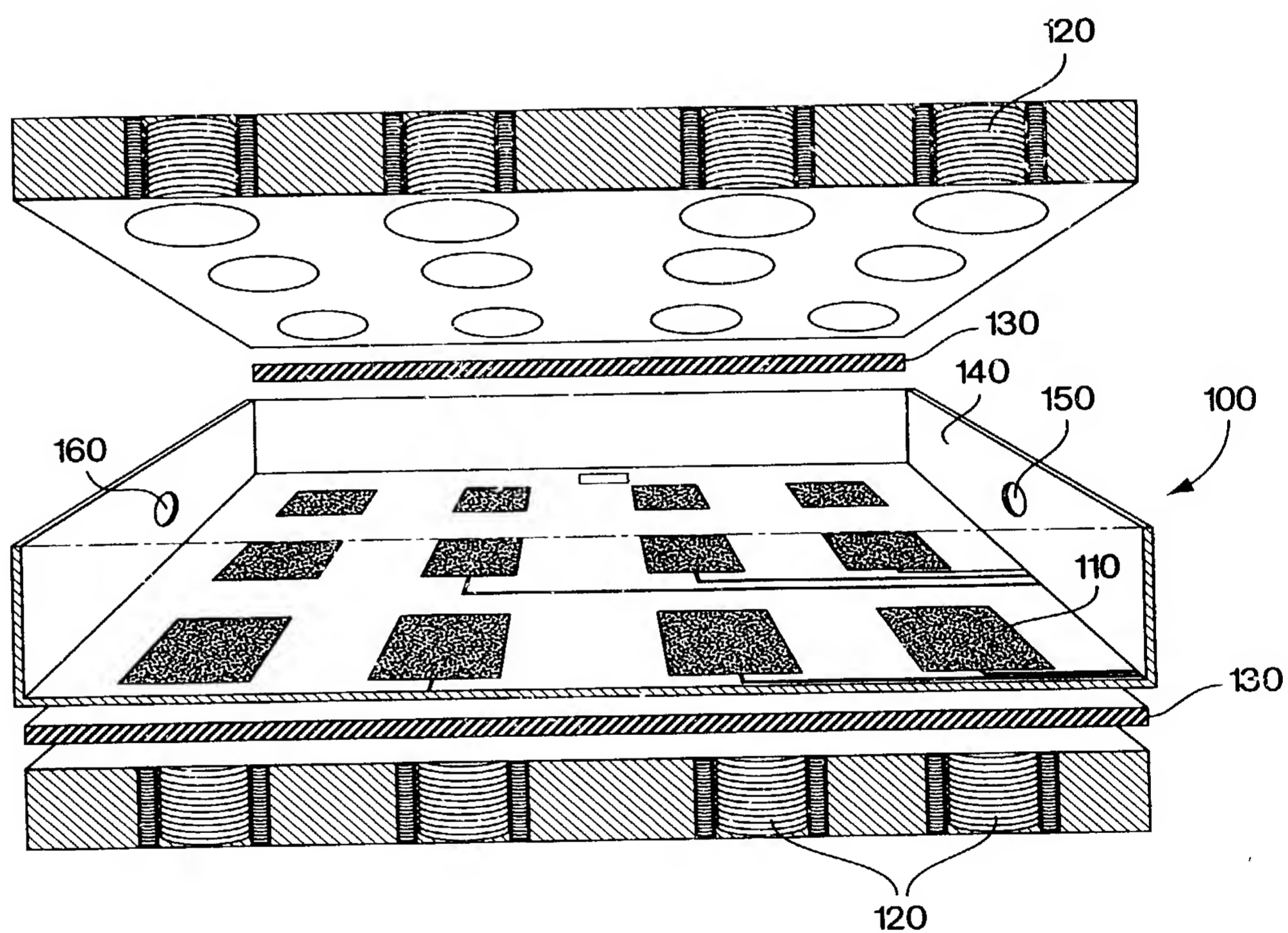


Fig. 19